

To: Christoph Goss[christoph.goss@deereault.com]
Cc: Matt Francis (m.francis@erllc.com)[m.francis@erllc.com]
From: Way, Steven
Sent: Mon 8/4/2014 10:37:47 PM
Subject: RE: Gold King changes - arch dimensions
IMG_2271.JPG

Christoph here is a photo and as we discussed, the 11' 3" measurement was about 1/3 up from the base/foot.

Steve

Steven Way
Federal On-Scene Coordinator
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US EPA - Region 8
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Office: 303-312-6723

-----Original Message-----

From: Christoph Goss [mailto:christoph.goss@deereault.com]
Sent: Monday, August 04, 2014 4:08 PM
To: Matt Francis; Way, Steven
Cc: Karl Fritz
Subject: RE: Gold King changes
Importance: High

Gentlemen

I think that we are getting closer to solving the geometric mystery of the Gold King Arches. Attached is a drawing showing a modified horseshoe set. Instead of a horseshoe with straight legs or a semi-circle, it consists of two constant radius (i.e. circular beams) with the bottom cut off and the foot plate welded at an angle to the web and flange. As you can see on the dimension lines, it agrees with your previous measurements:

155" OD arch length
127" OD chord
9' wide bottom
11'3" diameter

If the 10' height you mentioned was measured as shown on the drawing, we are good to go.

Please let me know if this drawing agrees with what you saw last week. Once we have that confirmed, Karl can recalculate the allowable loads.

Karl: please go ahead with preparing a bolt spec as requested below. I think it should cover steel type, threading, and min/max torque along with whatever you think is appropriate.

Christoph

-----Original Message-----

From: Matt Francis [mailto:m.francis@erllc.com]

Sent: Thursday, July 31, 2014 3:14 PM
To: Christoph Goss
Cc: Way, Steven
Subject: Gold King changes

At the site visit today a couple of things came up for you to address.

1) we put a couple of arch set sections together and measured actual dimensions. They have a diameter of 11'3", are 10' high and 9' wide at the bottom. All measurements are inside. This probably changes your design limitations, so please revise.

2) bidders requested a bolt spec

3) bidders requested a volume for concrete used in footers (and maybe this changes due to #1?)

We requested they submit follow up questions as soon as possible. I'll fwd them to you as they arrive.

Thanks
Matt

Sent via the Samsung Galaxy Note® 3, an AT&T 4G LTE smartphone

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